The general character and relation of the faces on the mohawkite crystals is similar to that of domeykite. The form a, $0.00 \propto (1120)$, however, occurs more frequently and is better developed. Fig. 8 (size of crystal 0.6×0.3 mm.) illustrates the usual habit of the

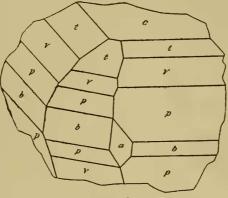


Fig. 8.

mohawkite crystals. Thin, tabular crystals like those of Fig. 2 are rare.

Luster, splendent metallic. Color, light tin-white to steel gray. Fracture conchoidal, crystal habit thick tabular to equidimensional. The crystals tarnish more readily than those of domeykite and become iridescent in brilliant, variegated hues.

LANGUAGES OF THE NEW ENGLAND ABORIGINES NEW SOUTH WALES.

BY R. H. MATHEWS, L.S., ASSOCIÉ ÉTRANGER SOC. D'ANTHROP. DE PARIS.

(Read May 15, 1903.)

SYNOPSIS.—Introductory—Orthography—The Anēwan Language —The Banbai Language—A Mystic Language—Anéwan Vocabulary.

The native tribes of New South Wales are disappearing rapidly before the advancing tide of European population, and unless some

¹ See foot-note, page 243.

person qualified for the task shall take up this highly important subject, the languages and the customs of an interesting primitive people will be lost to science.

The languages spoken by the native inhabitants of the New England district of New South Wales are quite different in vocabulary and intonation from those found in any other part of New South Wales which I have visited. Therefore I consider myself very fortunate in being the first author to report their grammatical structure.

In the following pages I shall endeavor to record and preserve the elements of two aboriginal languages, with a vocabulary of one of them. All of the materials of the grammars, and also of the vocabulary, have been collected by me in the camps of the aborigines, and were noted down direct from the mouths of the native speakers, so that I can become entirely responsible for their accuracy.

In common with other Australian languages reported by me, the Anēwan and Banbai tongues possess a double form of the first person of the dual and plural, in every part of speech subject to inflection, by means of which the person spoken to may be included or excluded. It may be stated here that I was the first author to give full details of this peculiarity in the languages of Australia,¹ although it had been observed to a certain extent in some of the islands of the Pacific Ocean, and among the Amarinds of North America. These two languages likewise contain a dual and plural number in all parts of speech.

It is hoped that these efforts of mine may prove of some value, by enabling philologists to compare the native tongues of Australian tribes, not only among themselves, but with other languages in the islands of Polynesia, Melanesia, and various parts of the Pacific Ocean, as well as with the speech of other primitive tribes in different parts of the world.

The space at my disposal in the PROCEEDINGS of this Society render it necessary to describe only the leading elements of the languages dealt with.

Orthography.

The system of orthoepy adopted is that which is recommended by the Royal Geographical Society of England, but a few addi-

1 "The Gundungurra Language," PROC. AMER. PHIL. SOC., Vol. xl, p. 140.

tional forms of spelling have been incorporated, to meet the requirements of the Australian pronunciation, as follows:

As far as possible, vowels are unmarked, but in some instances the long sound of a, e and u are indicated thus, \bar{a} , \bar{e} , \bar{u} . In a few cases the short sound of u has been marked thus, \check{u} .

G is hard in all cases. R has a rough, trilled sound, as in the English word "hurrah!" W always commences a syllable or word.

Ng at the beginning of a word or syllable has a peculiar nasal sound. At the end of a syllable or word it has substantially the sound of ng in the English word "sing."

The sound of the Spanish \tilde{n} is frequent; at the beginning of a word or syllable I have given it as ny, but when terminating a word the Spanish \tilde{n} is used. Y at the beginning of a word has its ordinary consonant value.

Dh is pronounced nearly as th in the English word "that," with a slight sound of d preceding it. Nh has also nearly the sound of th in "that," but with a slight initial sound of the n.

T is interchangeable with d; p with b; and g with k.

Ty and dy at the commencement of a word or syllable have nearly the sound of the English j, or the Spanish ch; thus, dya or tya closely resemble ja or cha. At the end of a word or syllable tyis sounded as one letter, closely approaching the tch in the English word "catch," but omitting the final hissing sound.

In all cases where there is a double consonant, each letter is enunciated.

THE ANEWAN LANGUAGE.

The remnants of the Anēwan tribe are scattered over the southern half of what is known as the "table-land" of New England, including Macdonald river, Walcha, Uralla, Bendemeer, Armidale, Hillgrove and other places.

ARTICLES.

The indefinite article, a, is not represented, but the demonstrative pronouns, in their numerous modifications, supply the place of the definite article, as "this man," "that woman," "yonder hill." The English adverb, *here*, in its several native forms, is frequently treated as a demonstrative, and is then also a substitute for the definite article.

NOUNS.

Nouns have number, gender and case.

Number.—There are three numbers—singular, dual and plural. Kana, a crow. Kanaburala, a pair of crows. Kananyeta, several or many crows.

Gender.—Gender in the human family is denoted by different words. Tana, a man. Kettyura, a woman. Romunna, a boy. Kěmika or nganda, a girl. Kwanga, a child of either sex.

Among animals gender is distinguished by using words signifying "male" and "female." Pwēla, an opossum. Pwēla rula, a male opossum. Pwēla imbarra, female opossum.

Case.—The principal cases are the nominative, causative, instrumental, possessive, accusative, dative and ablative.

Nominative: This case simply names the subject, as imboanda, a kangaroo; naia, a yamstick, without any change in the noun.

Causative: When a transitive verb is used the noun takes a suffix, as Tananda imboanda nyuna, a man a kangaroo is beating. Kettyuranda pwēla nyuna, a woman an opossum is beating.

Instrumental: This takes the same suffix as the causative. Kettyuranda tana nyuna naianda, a woman a man is beating with a yamstick. Tananda imboanda nyūmbina arkananda, a man a kangaroo hit with a boomerang.

Possessive: Tanango arkana, a man's boomerang. Kettyurango naia, a woman's yamstick.

Accusative : This is the same as the nominative.

Dative: Rullagu, to a camp.

Ablative: Rullünge, from a camp.

It should be mentioned that in all the expressions illustrating the several cases, both in the Anēwan and Banbai languages, the demonstrative pronouns are omitted, for the two-fold purpose of saving space and of avoiding confusion by introducing any more words than are really necessary to show the declension. For example, where I have given "man kangaroo hit with boomerang" would be fully expressed by the native thus: "Man this-on-myright kangaroo yonder-in-front boomerang struck-with," or as the subject might require.

These remarks apply to every example of aboriginal sentences throughout both the languages dealt with in this article.

ADJECTIVES.

Adjectives succeed the nouns they qualify, and take the same inflections for number and case.

Tana birkungirra, a man large.

Tanango birkungirrango arkana, a large man's boomerang.

Tananda birkungirranda kwanga nyuna, a large man is beating a child.

It is not necessary to give examples of the other cases.

Comparison of adjectives is effected by two positive statements, such as, This is good—that is bad; runyerra indya—irrunga indyunda.

PRONOUNS.

Pronouns have three numbers, with inclusive and exclusive forms in the first person of the dual and plural. The following table exhibits the nominative pronouns:

Singular \dots $\begin{cases} Ist Person \dots I \\ 2d & " \dots Thou \\ 3d & " \dots He \end{cases}$	Yukka Indyukka Gambaua
Dual $\begin{cases} Ist Person \\ 2d & \cdots \\ 3d & \cdots \\ \end{cases} \begin{cases} We, i \\ We, j \\ $	ncl., Tēka excl., Tāla Twukka Takana
Plural $\begin{cases} 1 \text{ st Person} \dots \\ 2d & \cdots \\ 3d & \cdots \\ \end{cases} \begin{cases} We, \\ We, \\ You \\ 3d & \cdots \\ \end{cases}$	incl., Nyukka excl., Nāla Audilla Nalena

The possessive and objective pronouns are as under:

Singular.

I st	Person	Mine	Yinga	Me	Enna
2d	"	Thine	Nyunga	Thee	Nunya
3d		. His	Onning	Him	Onna
		Ours, inc.,	Tenyunga	Us, incl.,	Ten ya
Ist	Person	Ours, inc., Ours, excl.,	Tambiga	Us, excl.,	Tuanya
	"		Twanyung	You	
3d		Theirs	Lambiga	Them	Walanya
		(Ours, incl.,	Nyambiga	Us, incl.,	Nanyabura
Ist	Person	Ours, incl Ours, excl.,	Nyanyambiga	Us, excl.,	Nanyumbinga
			Nuka	You	Audumbinga
3d	"	Theirs	Nambiga	Them	Nanya

There are forms of the pronouns meaning "away from me," "towards me," etc., which must be passed over for want of space.

Interrogatives: Who, ānunga. What, nyanga. What for, nyangabura.

Demonstratives: This, indya. That, indyunda. The demonstratives are numerous, and of various forms, frequently taking the place of pronouns of the third person in the singular, dual and plural. This accounts for the great diversity of the third personal pronouns, which have little or no etymological connection with the others.

The demonstratives in this language, by the combination of simple root-words, can be made to indicate position, direction, distance, movement, possession, number, person and size. If space permitted, I could show tables of these demonstratives which would be most important for comparative purposes. This applies also to the Banbai demonstratives.

VERBS.

Verbs have the singular, dual and plural numbers, with the usual tenses and moods. There is a form of the verb for each tense, which remains constant through all the persons and numbers of that tense. Any person and number can be expressed by using the required pronoun from the table given in the foregoing page.

Following is a short conjugation of the verb Nyuka, "to beat or strike."

Indicative Mood—Present Tense.

(Ist	Perso	nI beat	Yukka nyuna
Singular)	2 d	**	Thou beatest	Indyukka nyuna
			He beats	Gambaua nyuna

and so on through the dual and plural.

Past Tense.

Singular..... Ist Person..... I beat

Yukka nyumbina

Future Tense.

Singular.....Ist Person.....I will beat

Yukka nyumarala

Imperative Mood.

Beat, nyumera

Beat not, yinna nyumera

Conditional Mood.

Perhaps I will beat

Yukka neta nyumarala

Reflexive.

Present. I beat myself Past I beat myself Future .. I will beat myself Yukka nyugatina Yukka nyugatimbina Yukka nyugatila

Reciprocal.

Dual....We, exclusive, are beating each other, Tāla nyutaka Plural...We, exclusive, are beating each other, Nāla nyutaka

ADVERBS.

The following are a few of the more commonly used adverbs:

Yes, ngeh. No, apala. Today, lunna. Tomorrow, yūn. Soon, lanabura. By and bye, loka. Long ago, toangga. Now, ilan. Recently, irrandya.

How, thanggana. Where, renya. How many, thambula. Here, āwa. There, gamba. The two last are frequently used as demonstratives.

PREPOSITIONS.

In the rear, yanda. In front, gattanda. Around, lunggai. In the middle, umunda. Up, dapai. Down, irrakirran. Between, ilkongga.

CONJUNCTIONS.

The general absence of conjunctions is attributable to the numerous modifications of the different parts of speech, by means of which sentences are brought together without the help of connecting words.

INTERJECTIONS AND EXCLAMATIONS.

These parts of speech are not numerous.

NUMERALS.

One, nyoanda. Two, tuala.

THE BANBAI LANGUAGE.

The aboriginal tribes speaking this language adjoin the Anéwan community on the north, and are located at Guyra, Ben-Lomond, Wollomombi and Kookarabooka.

NOUNS.

Number.—There is no special declension for number, but the noun is followed by words signifying two or several.

Ginggēr bulabulari, kangaroos two.

Ginggēr girrawa, kangaroos several.

Gender.—Man, thaimburra. Woman, burranyen. Boy, bodyerra. Girl, dillanggan. The sex of animals is denoted by words meaning "male" and "female" respectively, placed after the creature's name, as, Margan dyillawara, a buck wallaby. Margan kandura, a doe wallaby. Among birds, boro means a cock, and ngapara, a hen.

Case.—There are the nominative, causative, instrumental, possessive, accusative, dative and ablative cases.

Nominative: Tua, a boomerang. Kunnai, a yamstick. Wandyi, a dog.

Causative: Ginggēru nganya bittang, a kangaroo me scratched. Burranyendu nganya buang, a woman me struck.

Instrumental: Thaimburradu nganya bindaimang tuandu, a man at me threw a boomerang.

Possessive: Burranyengu kunnai, a woman's yamstick. Thaimburrangu tua, a man's boomerang.

In the Gundungurra, and in several other aboriginal languages of New South Wales and Victoria, the article possessed takes a suffix, as well as the possessor. For example, warrangan means a boomerang, and murriñ a man, but "a man's boomerang" must be expressed, Murrin-gu warrangan-gung. Until reported by me,¹ this peculiarity of a double suffix in the genitive case of Australian nouns had not been observed by any previous author.

Dative : Nguralami, to a camp.

Ablative: Nguranga, from a camp.

Accusative: This is the same as the nominative.

ADJECTIVES.

Adjectives take the same inflections as the nouns which they qualify.

Thaimburra burwai, a man large.

Thaimburradu burwaidu nganya buang, a man large me struck.

Thaimburrangu burwaigu tua, a large man's boomerang.

¹ "The Gundungurra Language," PROC. AMER. PHIL. SOC., Vol. xl, p. 143.

Comparison: Nyam dhurrui—nyam yonggo; this is good—that is bad. Nyam dhurruiunba, this is very good.

PRONOUNS.

Pronouns have the nominative, possessive and objective cases, as in the subjoined tables. There are two forms in the first person of the dual and plural—one in which the person or persons addressed are included with the speaker, and another in which they are exclusive of the speaker. The following is a list of the pronouns in the nominative case :

Singular { Ist PersonI 2d "Thou 3d "He	Ngaia Nginda Ngurrung
Dual $\begin{cases} \text{Ist Person} \\ \text{We, incl.,} \\ \text{We, excl.,} \\ \text{2d} & \cdots & \text{You} \\ \text{3d} & \cdots & \text{They} \end{cases}$	Ngulli Ngulligai Bulala Bulagai
Plural $\begin{cases} Ist Person \\ We, incl., \\ We, excl., \\ 2d & \cdots & You \\ 3d & \cdots & They \end{cases}$	Nyeŭlla Nyeŭllagai Nguddyilindya Vangbēndu

The possessive and objective forms of the pronouns are exhibited in the following table:

		-			
			Singular.		
2d	Person	Thine	Ngunyo Nginnu Gurragunga	Thee	Nganya Ngēna Nyam
Ist 2d	Person	Ours, incl., Ours, excl., Vours	<i>Dual.</i> Ngullimba Ngullimbagai Bullamba		Ngullinya Ngullinyagai Bulanya
20 3d	"	Yours Theirs	Bullambagai Plural.	Them	Bulanyagai
Ist	Person	Ours, incl., Ours, excl.,	Ngeŭmba Ngeumbagai		, Ngeanya , Ngeanyagai

Nguddyimba

Ittyāran

2d

3d

••

"

Yours

Theirs

Nguddyinninya

Ittyārambēn

You

Them

There are also forms meaning "with me," nganyumbulla. Ngaia, as in the table, is used with an intransitive verb, as, ngaia nganggi, I sit; but when a transitive verb is used, the pronoun is changed to ngatya, as, Ngatya bōnggi, I beat. These rules apply to the other persons and numbers. Other forms of the pronouns are omitted for want of space.

Interrogative pronouns: Who, wuttanya. Whom belonging to, wuttanyannin. What, minya. How many, minya-minya.

Demonstrative pronouns: This, nyam. That, mumum. These are frequently used as adverbs, and they mean "here" and "there."

VERBS.

The rules for the conjugation of verbs are similar to those of the Anēwan language. An example in the singular number of each tense will be sufficient :

Indicative Mood—Present Tense.

(Ist	PersonI beat	Ngatya bōnggi
Singular 2	2 d	"Thou beatest	Nginda bonggi
(3d	"He beats	Ngurrung bönggi

Past Tense.

Singular.....Ist Person.....I beat

Ngatya boang

Future Tense.

Singular.....Ist Person.....I will beat

Ngatya bōanggo

The imperative, conditional, reflexive and reciprocal forms of the verb will be passed over for want of space.

ADVERBS.

Yes, nge. No, wunā. Today or now, gillu. Tomorrow, gurlau. Soon, gurubilli. By and bye, kangā. Long ago, dhullūmba. Yesterday, nyukkumba. Certainly, yare. How, dyirrung. Perhaps, dyirraugam. Where, dyota. How many, minya-minya. Here, nyam. There, mundyaba. Yonder, mungga-munggara. Marēda, far away. Close to speaker, tulbaia.

The adverbs "here" and "there" are often used as demonstrative pronouns, and have the same meaning as "this" and "that."

PREPOSITIONS.

In front, munggara. In rear, wallungga. Between, pimita. On the other side, kawatadyula. On this side, ilāmgidda. Up, kaba. Down, warri. Around, kokari.

Conjunctions and interjections are omitted.

NUMERALS.

One, kurrukun. Two, bulari.

A MYSTIC OR SECRET LANGUAGE.

Before concluding this short article on the speech of the Australian aborigines, I wish to refer to a secret language, used by the men at the ceremonies of initiation, but which is never spoken in the presence of women, or in the presence of those youths who have not yet entered upon the prescribed course of initiation. Whilst the novitiates are away in the bush in charge of the elders of the tribe, they are taught a mystic name for surrounding objects of every-day life, for animals, for parts of the human body, and short sentences of general utility. This language is different in different tribes.

I was the first author to draw attention to this mystic tongue,¹ and during the past year I contributed to the Royal Society of New South Wales some vocabularies of the secret languages of the Kurnu² and other Australian tribes. I consider my discovery of this secret form of speech is of great linguistic importance, and invite my readers to peruse the vocabularies referred to.

In connection with this subject it may be mentioned that in 1901 I contributed an article to the Royal Geographical Society of Queensland, on some "Aboriginal Songs at Initiation Ceremonies,"³ in which I published several sacred chants in the secret tongue, which are the first songs of the kind ever set to music.

VOCABULARY OF ANEWAN WORDS.

The following vocabulary, containing about 210 of the most important words in general use by the Anēwan tribes, has been prepared by me from notes taken in the camps of the aborigines.

¹ Journ. Anthrop. Inst., London, Vol. xxv, p. 310.

² Journ. Roy. Soc. N. S. Wales, Vol. xxxvi, pp. 157-160.

³ Queensland Geographical Journal, Vol. xvii, pp. 61-63.

Every word was carefully written down by myself from the mouths of the natives.

In a communication to the Royal Society of Victoria in the year 1896,¹ I gave a comprehensive description of the initiation ceremonies of the Anēwan, Banbai and other tribes Again in 1897, I contributed a paper to the Royal Society of New South Wales,² in which I described the Anēwan laws of marriage and descent, with lists of their *totems*. On account of the two articles referred to, it has not now been thought necessary to repeat the subjects therein dealt with.

English.	Anëwan.	English.	Anēwan.
Man	tana	Teeth	yella
Boy	rumunna	Tongue	tŭnda
Elder brother	irkōmba	Navel	dyikanga
Younger bro-		Back	twila
ther	ilpaminda	Arm	kyŭnda
Father	pēta	Shoulder	irringala
Woman	kettyura	Elbow	indina
Girl	kemika	Hand	nyella
Elder sister	pauana	Calf of leg	yula
Younger sister	paua	Thigh	illanba
Mother	irrapella	Knee	gwunba
Child of either	:	Foot	nyalla
sex	kwanga	Heel	nungan
The Hu	man Body.	Blood	gwianba
		Woman's	
Head	kwulla	breasts	ipinda
Forehead	tui	Fat	pyenna
	rella	Skin	twunda
Beard	nutyina	Penis	duna
Eye	ila	Testicles	ilwundandha
Nose	nyanba	Semen	bungan
Jaw	dhanda	Copulation	bungadala
Ear	nakuna	Masturbation	bungalulamun

¹ "The Būrbŭng of the New England Tribes," Proc. Roy. Soc. Victoria, Vol ix, N. S., pp. 120-136.

* "The Totemic Divisions of Australian Tribes," Journ. Roy. Soc. N. S. Wales, Vol. xxxi, pp. 168-170.

]

Tiger-cat

Bat

English.	Anēwan.	English.	A
Venereal	tharpunda	Rainbow	rumi
Anus	būlla	Large flat rock	lara
Excrement	ngunba	Camp	rulla
Urine	itirra	Mar	mmals.

Natural Surroundings.

Sun	nura
Moon	ternda
Stars	ikina
Sky	rūnbinna
Thunder	lāmutika
Lightning	kimmitta
Rain	yūnggara
Fog	ngatta
Snow	ikana
Frost	lala
Hail	arrepanna
Water	ukŭnda
The ground	kyuna
Stones	rola
Sand	raikana
Darkness	illona
Coldness	inganna
Fire	inba
Smoke	rutta
Night	lōnna
Food (flesh)	kara
Food (vegeta-	
ble)	kyaia
Honey	irrōta
Hill	kuta
Watercourse	retta
Any tree	dulla
Leaves of trees	indora
Path	kurra
Shadow	tonba
Summer	ilkaiwa
Winter	tyerwanba

Jamp	Tuna
Ma	mmals.
Kangaroo	imboanda
Porcupine	iwutta
Wild-dog	irritanga
Opossum	pwela
Flying-fox	ramana
Kangaroo-rat	bara
Native-bear	lauanha
Wallaroo	lumulla
Bandicoot	imbunga
Ring-tail opos-	
sum	aunda
Native-cat	kyura
Wallaby	kyatta

Anewan.

rumira

Birds.

yāra lyunganda

Birds collec-	
tively	pillang
Emu	runda
Eagle-hawk	lambara
Black-duck	rungara
Pelican	wuyara
Laughing jack-	
ass	rokala
Crow	kana
Swan	dyuwula
Native-compan-	•
ion	rualgunda
White cockatoo	ērpatha
Black cockatoo	wellara
Common mag-	
pie	imbota
Plover	tharringga

Anēwan. rilwinnu ōwara imbanga ūrkūng

Fishes.

Perch	indanga
Jewfish	lyūnda
Codfish	guyu, or ruta
Sprat	birran
Eel	indhurra

Reptiles.

rutyala
nhawala
tyunda
laipara
nura
yenda
minda
roppung
yiwang
werra
imbottonga
imbiāla
pwoggana

Invertebrates.

ronnang
warra
engara
irrakanba
minna
rulunga
ālman
irwala

English.
Bulldog ant
(red)
Bulldog ant
(black)
Scorpion
Crab

oppunga imbŭnda thambanna

thanda

Anewan.

Trees and Plants.

Mountain ash o-inba Kurrajong nunggutta Ironbark girranba Stringy bark indwarra Wattle luna Grass-tree dunburra nēwurra Peppermint Apple-tree tūnba orrulla Gum-tree Scrub-gum-tree bikkara Pine wungulla White box vina moanda Reeds rēwilla Forest oak Cherry-tree poara Jeebung lwainda

Weapons, etc.

War spearkydHunting spearandJagged spearmuSpear shieldindClub shieldbelClubraiSpear throwerwdBoomerangarkTomahawkmuFighting-hooklenNulla-nullaruKoolamintillNet bagloi

kyenba anbelang mumberiñ indūta bekang raipella womur arkana mukung lēnyang rularokara tilla loia GREGORIO-ERRONEOUS SYNONYMY.

Eng	lish.	Anēwan.	English.	Anēwan.
Yamstic	k	naia	Walk	nadiga
Stone ki	nife	imbōnda	Run	nuppanati
	A	djectives.	Break Give	wammin unumbia
Large		birkingirra	Sing	peka
Small		latherana	Weep	twaka
Good		rōnyerra	Steal	nomekka
Bad		irrūnga	Bite	irruttela
Hungry		imbyura	Catch	anamarai
Thirsty		ambia 🕚	Climb	irrukka
Quick		ngunna	Hear	nugguna
Slow		numbadia	Laugh	indeka
Afraid		no-aran	Scratch	nirmatin
Angry		anagana	See	aikunna
Greedy		myūna	Dance	thekinna
		Verbs.	Swim	imbwiana
Eat		mēka	Stand	rāgya
Drink		imbekka	Throw	imbia
		nina	Pretend	twandyingan
Sit Speak		oidekka	Swallow	pwika

ON SOME NAMES (CHIEFLY LINNEAN) OF ANI-MALS AND PLANTS ERRONEOUSLY PAIRED IN SYNONYMY.

BY MARCHESE ANTONIO DI GREGORIO.

(Received April 15, 1903.)

It is well known that a great many new genera have been made for the old Linnean species. One of the chief creators of generic names was Lamarck, the great naturalist. After him a large number of authors have proposed many new genera for the Linnean species. The same is true, also, for many species proposed by ancient authors that have been related in synonymy, when a new genus has been created for the same species.

In my note, "Intornorno ad alcuni nomi di conchiglie linneane," published in the *Bulletin* of the Italian Malacological Society (Vol. x, 1884), I have proposed to retain the original Linnean names for **PROC.** AMER. PHILOS. SOC. XLII. 173. R. PRINTED AUG. 7, 1903.

1903.]

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